AK-E101 EPON SFU

General Description

AK-E101 is a new EPON ONU production of ANYK Technology's passive optical network terminal series. It provides one GE interface, one optical interface, it's very suitable for home and small business users, can meet the FTTH high-speed data transmission.

Outline

Key Features

- ☑ It takes the PTMP (point to multipoint)network topology, effectively collects and converges scattered Ethernet services, and provides the 10/100/1000M Ethernet standard RJ45 interface, smoothly interconnects with existing networks;
- ☑ The Dynamic Bandwidth Allocation (DBA) mechanism enables all users to share the bandwidth reasonably, guaranteeing a reliable QoS;
- ☑ Supports IGMP multicast, effective use of broadband;
- ☑ Supports multicast VLAN;
- ☑ Supports China Telecom CTC protocol;
- ☑ Full management through an Operation Administration Maintenance (OAM) protocol based on IEEE802.3ah, including configuration, alarm, performance monitoring, fault isolation and security management, etc. It supports remote management through OLT and local console management as well;
- ☑ Supports FEC and DBA;
- ☑ Supports IEEE802.1Q VLAN protocol;
- ☑ Supports IEEE 802.1p protocol;
- ☑ Supports remote loopback and network status diagnosis;
- ☑ Supports flow statistics;
- ☑ Supports storm control.

Technical Parameters

Model	AK-E101
User interface	1 10/100/1000M RJ45 port.

PON	Transmission speed: upstream/downstream symmetrical 1.25Gbps Network coverage radius: 20KM Optical receive sensitivity:≥-27dBm Luminous power:＜0dBm Security: ONU authentication mechanism
Protocol	Compliant with IEEE 802.3ah YD/T 1475-2006 IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP IEEE 802.3ad (LACP) Ethernet–II, Ethernet-SNAP
VLAN	Port-based VLAN GVRP IEEE 802.1Q VLAN
QOS	Backpressure flow control(half-duplex) IEEE 802.3x flow control(full-duplex) Prevent Head Of Line SP, WRR queue scheduling algorithm Port rate limit
Safety	IEEE 802.1x, access control based upon Port; support local and remote RADIUS. CHAP,EAP certification; Storm control, port protection,
Management	Various management modes such as Web, TELNET Debug function.
Environment	Operating temperature:0℃～60℃; Operating humidity:10%～85% non-condensing
	Storage temperature:-40℃～80℃; Storage humidity:5%～95% non-condensing
Power supply	110～240VAC 12V/0.5A DC
Power Consumption	6W

Volume and Weight

ONU Dimension				
Type	**Length**	**Width**	**Height**	**Volume**
AK-E101	130mm	100mm	28mm	364000mm^3
ONU Packing dimension				
Type	**Length**	**Width**	**Height**	**Volume**
AK-E101	239mm	125mm	54mm	1613250mm^3
ONU Weight				
Type	**Weight**		**Each Net Weight**	
AK-E101	0.32kg		0.14kg	

Order Information

Model	Description
AK-E101	EPON ONU, One 10/100/1000M RJ45 port. Color: White& Black.